

# INFORMATION REPORT

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SUBJECT Ilich Machine Tool Factory, Leningrad

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1. The Ilich Machine Tool Factory, Leningrad (Leningradski Stankostroitelny Zavod imeni Iliche) is located at No. 23 Krasnogvardeiskaya ulitsa, Vyborg District, Leningrad, alongside the Ilich Abrasives Factory. The factory belongs to the Chief Directorate of the Machine Tool Construction Industry of the Ministry of Machine Tool Construction of the USSR.

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## Product

2. About 20 years ago, the factory began to produce universal grinding machines for grinding metal-working tools. During the war it was partly evacuated, and the remaining part worked for the defense of Leningrad. Some of the buildings were damaged during the bombardment. In 1945, the factory was restored and began again the production of universal grinding machines. At present it is producing universal grinding machines in medium series and special semi-automatic machines in small series or in lots of a few machines. Universal grinding machines of several types are produced, but mainly of type 3 A 64.
3. The following special semi-automatic machines are produced:
  - a. Type 649, also called N-1, for grinding the grooves of outer races (koltsa) of ball bearings with a diameter of 100-400 mm.\*\*\*\*  
Bulk (gabarit) of machine: 2,000 x 1,300 x 1,550mm.  
Radius of grinding groove: 120mm.\*\*\*\*  
Outer diameter of grinding race: 100-400mm.\*\*\*\*  
Dimensions of grinding wheel: 120 x 20 x 20mm.  
Number of rpm of grinding wheel: 5,500.  
Number of rpm of article: 70-400.
  - b. Type 3483 for grinding inner races of ball bearings with diameter of 100-400mm.
  - c. For grinding worm cutters (chervyachnaya freza).
  - d. Types TN and TN-1 for grinding lower and side edges of diffusion blades (nozhi). TN-1 is for machinery for the sugar industry.

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e. Type LZ-9 for grinding ball bearing parts.

f. For grinding segmental saws for metal.

g. Sphero grinding (sferoshlifovalny) semi-automatic machines type 3484 N for grinding spheres of outer races of ball bearings. \*\*\*\*  
Bulk of machine: 2,250 x 2,500 x 1,700mm.  
Diameter of grinding race: 320-450mm. \*\*\*\*  
Diameter of grinding wheel: 200-300mm.

h. Several other types

4. According to the plan of the Chief Directorate of the Machine Tool Construction Industry of the Ministry of Machine Tool Construction of the USSR, in the near future the factory will be completely converted to the production of special semi-automatic grinding machines, chiefly for the ball-bearing, automobile, and tractor industries. The production of universal grinding machines will be transferred to other machine tool factories.

5. Castings are obtained mainly from the Lenstankolit Works [ ] Leningrad, of the Ministry of Machine Tool Construction.

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Annual Output

6. In 1947, about 350 machine tools, mainly universal grinding machines in series (about 290 machines in series and about 50 semi-automatic machines), were produced. In 1948, production amounted to about 390 machine tools, including about 100 special semi-automatic machines.

Personnel

7. About 600 persons in all are employed.

Director: Maksimets\*\*\* [ ]

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Chief engineer: Voronin

Engineer-designers: A. V. Shchegol, Yevdokimov, Lukashev

8. Two shifts, day and evening, each of eight hours, are worked.

Washington Comments:

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\*\*\*Previously reported as Makushimets.

[ ] "Grinding groove" and "grinding race" appear to be errors [ ]  
[ ] An effort is being made to [ ] 50X1-HUM

clarify the seemingly incorrect dimensions. Meanwhile, this information is offered for what it is worth. 50X1-HUM

[ ] "outer races of roller ball bearings". Probably "outer races of self-aligning ball bearings".

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